

not oil, and, even if it was, it wouldn't last for oil. But it is certainly not. So there will be one day be a world without oil, and Hyman Rickover was suggesting 51 years ago was a good time to start thinking about how we make that transition.

The next chart shows a reality that I don't know how many have thought about. This is a chart which shows on the abscissa the amount of energy you use, and on the right over here it shows how happy you are with your station in life.

□ 1700

Now, we use more energy than anybody else, and so there we are, the furthest one over here to the right, but we are not the happiest Nation in the world. There are 24 countries, everybody above this line, feels better, not just as good, better, about their quality of life than we feel about our quality of life, and some of them use only about half as much oil as we use. And when I look at the future and the huge challenges that we have from the future, I note that we have a lot of opportunity to live more efficiently and to live, not just as happily, but to live more happily, because there are 24 countries that use less oil than we, some only half the oil that we use, who feel better about their quality of life than we feel about ours.

Now, this third group that has common cause with the first two, the first two being those who are concerned about our national security, we get far too much of our oil from over there and, as the President appropriately said, from people who don't even like us. The second group is concerned about global warming and releasing all of this sequestered CO<sub>2</sub> from these fossil fuels and dumping it into the atmosphere and producing these greenhouse gases that reflect back the infrared radiation to the Earth and warm up the Earth.

By the way, I lived in Siberia. You might have a hard time convincing me that a warmer Earth would be all that bad. And I would note that, if they played nice over there, these guys who have all the oil, that may not be a problem, so the national security thing may not be a problem.

I would submit that the Earth has been very much warmer in the past. That is the only way we could have had subtropical seas in the north slope and the North Sea and ANWR and so forth. A warmer Earth will be very different, better for some people, worse for others, and I don't think it is a risk worth taking. But many will argue that, gee, the sky may not fall if the Earth gets warmer.

But I will tell you that this third group of people, the people who are concerned about peak oil, there is no way that we are going to get through that without a very bumpy ride unless we aggressively pursue this challenge.

Now, I am excited about this. My wife tells me that I really shouldn't be

talking about this because people in ancient Greece killed the messenger that brought bad news, and I need to get myself reelected and I shouldn't be talking about this. I tell her, this is a good news story. The good news is that if we start today to meet this challenge, the ride will be less bumpy than if we start tomorrow.

But the really good news part of this is that there is no exhilaration like the exhilaration of meeting and overcoming a big challenge. And, boy, this is a big challenge.

Many of the problems we have with our unemployed and our kids and so forth in this country are because time weighs heavily on their hands, and they end up doing sometimes hurtful things to themselves and society. I lived through World War II, the last war, by the way, in which everybody was involved. It was the last war in which our country was at war. Now, our military has been at war since then and our military families have been at war since then. But, boy, World War II, our country was at war. Everybody knew we were at war. Not a single automobile was made for public consumption in 1943, 1944, and 1945. You had to have a ration coupon to buy gas. If you convinced them you were a good churchgoer, they would give you enough to go to church; otherwise, you stayed home or walked to church. You had to get a coupon to get sugar to do your canning with. There was a real scarcity of automobile tires. We saved our household grease and took it to a central repository. We had daylight savings time, that comes this weekend, and we had daylight savings time because then we had an extra hour to spend in our victory gardens. And there was no law from Congress that said you had to have a victory garden, but, boy, everybody who could, talk to your grandparents, they probably dug up their backyard and they put a garden there. I saw pictures of vacant lots in New York City where they took all the rubble and piled it up in rows and planted gardens between them. Everybody was involved in that war.

And I will tell you, if we are going to get through this, this is a huge challenge, it will require the best of us. But we are the most creative, innovative society in the world. And, with leadership, which is I think fairly conspicuously absent today, I think that we can rally to this cause.

What we need to get through this is the total commitment we had in World War II. We need to have the technology focus of when we put a man on the Moon and we need to have the urgency of the Manhattan Project.

By the way, that technology focus would do other really nice things for us. I talk to a lot of businesses that cannot find enough technically trained people. Our young people today just aren't turned on to training in science, math, and engineering. Many of them are becoming lawyers and political scientists. I think we have quite enough of both of those, thank you.

I remember during the less than a decade, our President challenged us to do it in a decade and we did it in less than a decade, putting a man on the Moon. And I remember how turned on, it captured the imagination of the American people and inspired our young people to go into careers of math, science, and engineering. I remember a cartoon of a little redheaded, freckle-faced buck-toothed young fellow who said, "Six months ago, I couldn't even spell 'engineer' and now I am one."

Everybody wanted to be involved in this. And we need to have the technology focus that we had then, and what that will do is inspire more of our bright young people. We have really bright young people, and they need to be going into pursuits that will really be productive like science, math, and engineering. If we inspire them to go into those positions, we might once again become a manufacturing exporting Nation.

By the way, the technologies that we will need to develop to exploit these renewables, I think we could become the center for that in the world and, once again, could become a major exporting Nation.

Again, I say, we are the most creative, innovative society in the world. Somehow, somehow, the genius of our Founding Fathers and the Constitution they gave us, which really, really respects the rights of the individual, created a milieu, a climate in which creativity and entrepreneurship would flourish, and it is still flourishing. Just look at our small businesses, that they are responsible for bringing us out of recession. So I am really enthusiastic about this.

Everybody needs to be committed. We need to have the technology focus of putting a man on the Moon. And this is urgent. Just in the last few days, I have three things in front of me here where others are recognizing that this is urgent. There is a 2-day summit with our National Academy of Sciences, and they are looking at America's energy future. It is about time. They are going to be looking at America's energy future.

We have a huge challenge. We use one-fourth of the world's oil, we have 2 percent of the world's oil, and the President very correctly said that we are hooked on oil. And, like the cocaine addict who is hooked on his drug, he has just got to have another fix, and so now there is a clamor to go out and drill for that oil up in ANWR and drill for that oil offshore.

I haven't voted for those. I have 10 kids, 16 grandkids, and two great grandkids. We are leaving them a horrendous debt, not with my votes, but a horrendous debt. And I just ask, wouldn't it be nice if we could leave them a little energy?

I was asked to vote to drill in ANWR, and my question was: If you could drill and pump ANWR tomorrow, what will you do the day after tomorrow? And for